



PTO/SB/21 (01-03)

Approved for use through 04/30/2003. OMB 0651-0031

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/738,370
Filing Date	December 15, 2003
First Named Inventor	Andrews
Art Unit	
Examiner Name	
Attorney Docket Number	02510

Total Number of Pages in This Submission

38

ENCLOSURES (Check all that apply)

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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	5 references identified as nos. 10-14 on the Information Disclosure Statement Return receipt postcard	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Nora M. Tocups
Signature	<i>Nora M. Tocups</i>
Date	March 30, 2004

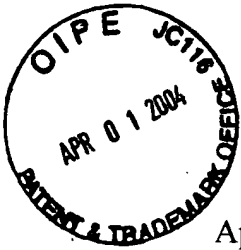
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrews

Serial No.: 10/738,370

Examiner: Not Assigned

Filed: 12/15/03

Group Art Unit: 2643

For: METHODS AND SYSTEMS OF SPAN DESIGN

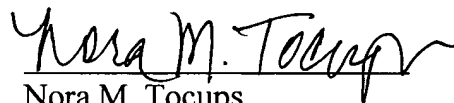
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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The citation of information on the attached Form PTO/SB/08, is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. Of the references cited, only reference nos. 10-14 are enclosed. The undersigned does not concede any of the identified materials constitute prior art within the meaning of the United States patent laws. This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits; therefore, no payment is enclosed.

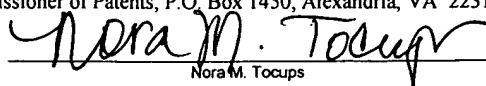
Respectfully submitted,


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Reg. No. 35,717

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404.372.1430
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CERTIFICATE OF MAILING (37 CFR 1.8a)

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PTO/SB/08A (08-00)

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Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/738,370		
		Filing Date	December 15, 2003		
		First Named Inventor	Andrews		
		Group Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	0201-02510

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	6,459,702		Saaverda	10/01/2002	
	2	6,343,332		Ueda	01/29/2002	
	3	6,091,713		Lochleider et al.	07/18/2000	
	4	6,084,946		Beierle	07/04/2000	
	5	6,085,956		Beierle	07/04/2000	
	6	5,978,449		Needle	11/02/1999	
	7	5,864,602		Needle	01/26/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	8		WO 95/31865		British Telecommunications Public Limited Company	11/23/1995		
	9		WO 97/19543		Voelker Technologies, Inc.	05/29/1997		

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/738,370
		Filing Date	December 15, 2003
		First Named Inventor	Andrews
		Group Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	10	"HEDLUND, E. et al., "DSL Loop Test," <i>Telephony</i> , August 24, 1998 (XP02147002)	
	11	"ADSL Tutorial – Twisted Pair Access to the Information Highway," http://indy.ids.net/adsl/tutorial.html	
	12	"Extending Asymmetric Digital Subscriber Line (ADSL) Services to Remote Digital Loop Carrier (DLC) Locations," <i>The International Engineering Consortium</i> , Web ProForum Tutorials http://www.iecorg , pp.1-19	
	13	"General Introduction to Copper Access Technologies," <i>ADSL Forum</i> , 1998 (http://www.adsl.com/general_tutorial.html)	
	14	"Making Connection Using ADSL," http://www.epl.co.uk/fastlane.htm , printed 6/15/00	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.